

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061623\
 Data File : BM040290.D
 Acq On : 16 Jun 2023 20:51
 Operator : MA/JU
 Sample : 03080-03DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFH2DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/19/2023
 Supervised By :mohammad ahmed 06/20/2023

Quant Time: Jun 16 23:40:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 15 00:31:16 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.970	152	9027	0.400	ng/ul	0.00
4) Naphthalene-d8	10.778	136	32822	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.609	164	16234	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.349	188	28065	0.400	ng/ul	0.00
17) Chrysene-d12	21.526	240	17671	0.400	ng/ul	0.00
23) Perylene-d12	23.953	264	18345	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.350	96	7256	0.651	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.367	152	1778	0.043	ng/ul	0.00
18) Fluoranthene-d10	19.375	212	2307	0.052	ng/ul	0.00
Target Compounds					Qvalue	
5) Naphthalene	10.827	128	8207	0.106	ng/ul#	96
7) 2-Methylnaphthalene	12.439	142	4056	0.084	ng/ul	98
8) 1-Methylnaphthalene	12.659	142	4470	0.088	ng/ul	100
10) Acenaphthylene	14.327	152	27227	0.479	ng/ul	99
11) Acenaphthene	14.670	153	9868	0.203	ng/ul	99
12) Fluorene	15.655	166	9917	0.183	ng/ul	96
15) Phenanthrene	17.391	178	199377	2.702	ng/ul	99
16) Anthracene	17.484	178	48043	0.768	ng/ul	100
19) Fluoranthene	19.403	202	376940	6.262	ng/ul	98
20) Pyrene	19.765	202	333386	5.331	ng/ul	99
21) Benzo(a)anthracene	21.512	228	146978	2.818	ng/ul	98
22) Chrysene	21.564	228	152798	2.773	ng/ul	98
24) Benzo(b)fluoranthene	23.213	252	235829	3.487	ng/ul	93
25) Benzo(k)fluoranthene	23.257	252	81293m	1.277	ng/ul	
26) Benzo(a)pyrene	23.844	252	150628	2.714	ng/ul#	87
27) Indeno(1,2,3-cd)pyrene	26.467	276	123796	1.762	ng/ul#	93
28) Dibenzo(a,h)anthracene	26.474	278	29989	0.532	ng/ul	91
29) Benzo(g,h,i)perylene	27.239	276	118705	2.023	ng/ul	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

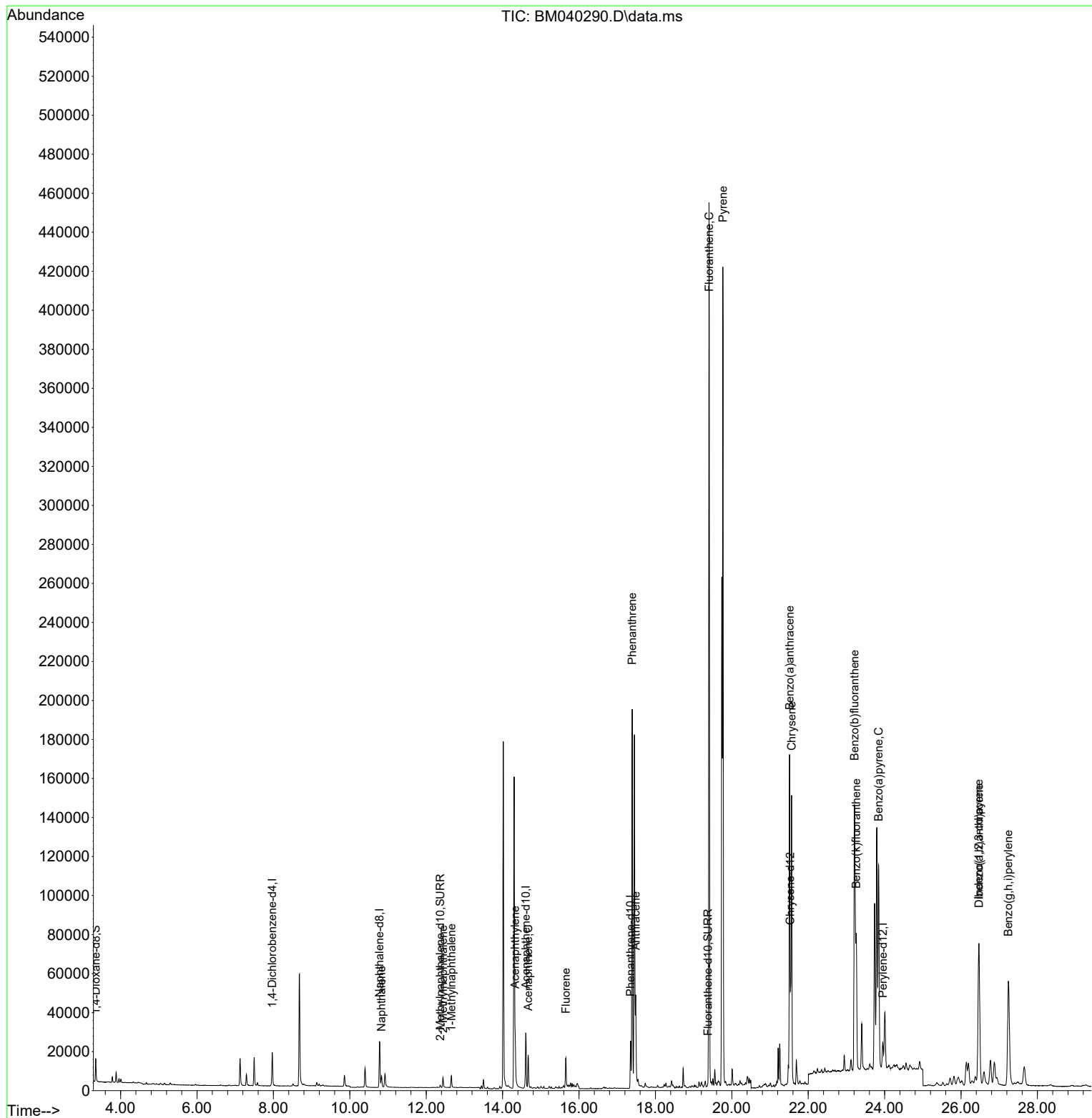
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061623\
Data File : BM040290.D
Acq On : 16 Jun 2023 20:51
Operator : MA/JU
Sample : 03080-03DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

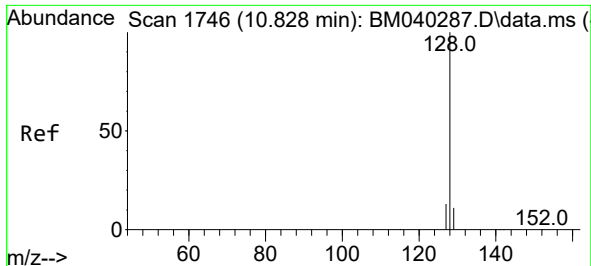
Instrument :
BNA_M
ClientSampleId :
DCFH2DL

Quant Time: Jun 16 23:40:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 00:31:16 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

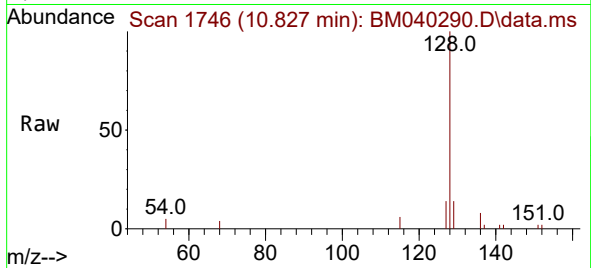
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023





#5
Naphthalene
Concen: 0.106 ng/ul
RT: 10.827 min Scan# 1746
Delta R.T. -0.006 min
Lab File: BM040290.D
Acq: 16 Jun 2023 20:51

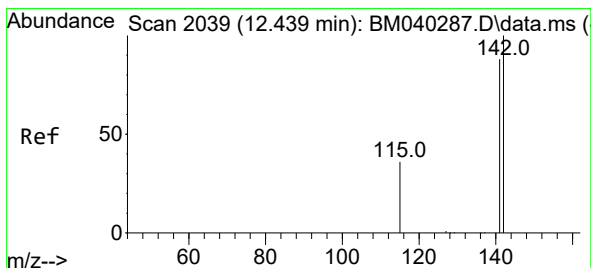
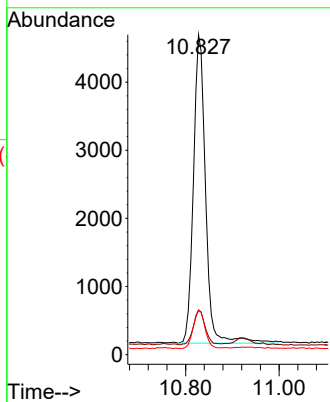
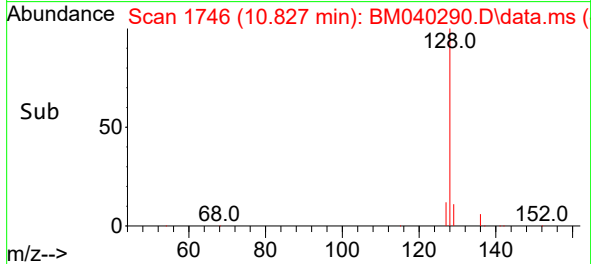
Instrument :
BNA_M
ClientSampleId :
DCFH2DL



Tgt Ion:128 Resp: 820
Ion Ratio Lower Upper
128 100
129 13.9 9.1 13.7
127 14.0 10.4 15.6

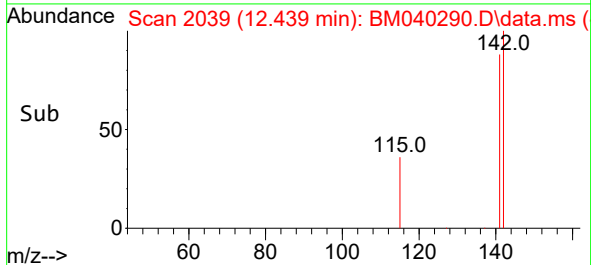
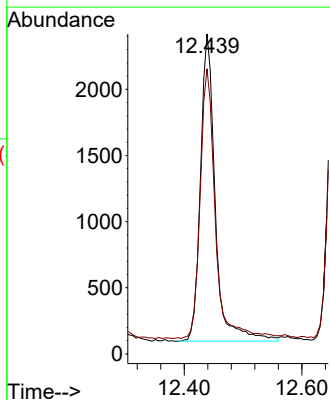
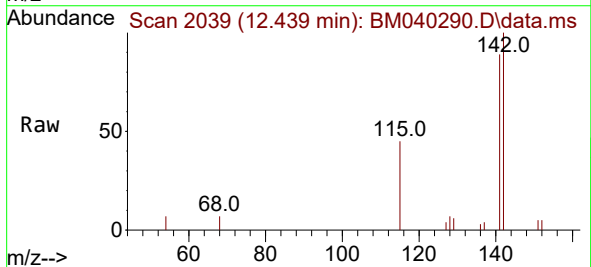
Manual Integrations
APPROVED

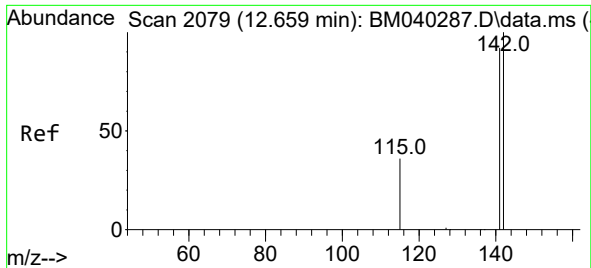
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#7
2-Methylnaphthalene
Concen: 0.084 ng/ul
RT: 12.439 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BM040290.D
Acq: 16 Jun 2023 20:51

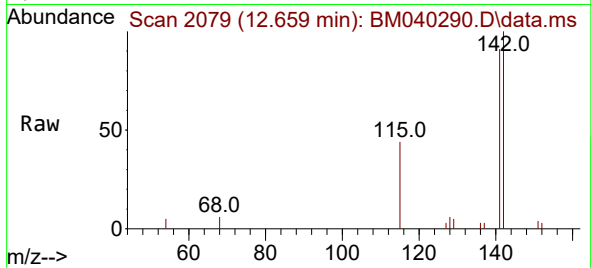
Tgt Ion:142 Resp: 4056
Ion Ratio Lower Upper
142 100
141 90.2 70.6 106.0





#8
1-Methylnaphthalene
Concen: 0.088 ng/ul
RT: 12.659 min Scan# 2079
Delta R.T. -0.006 min
Lab File: BM040290.D
Acq: 16 Jun 2023 20:51

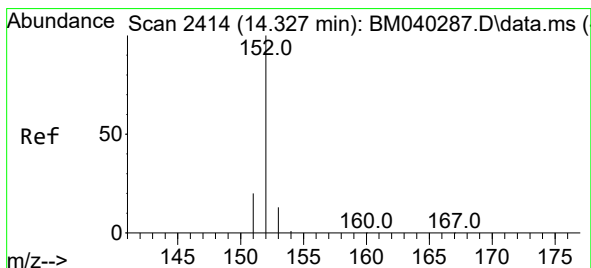
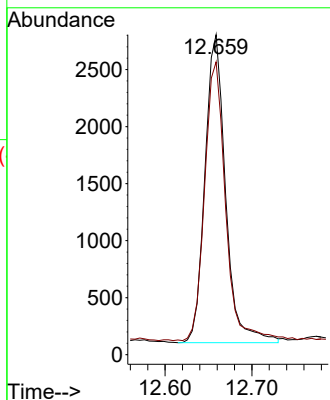
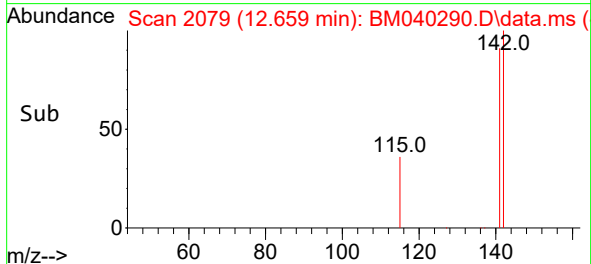
Instrument :
BNA_M
ClientSampleId :
DCFH2DL



Tgt Ion:142 Resp: 4470
Ion Ratio Lower Upper
142 100
141 91.0 73.0 109.4

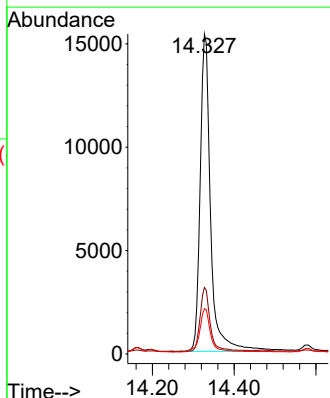
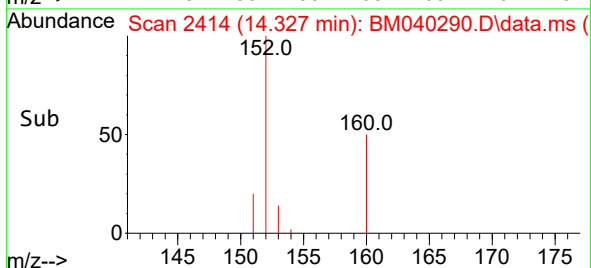
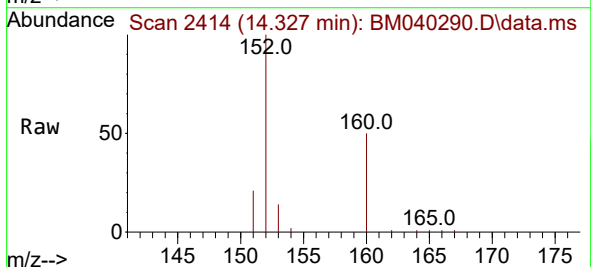
Manual Integrations
APPROVED

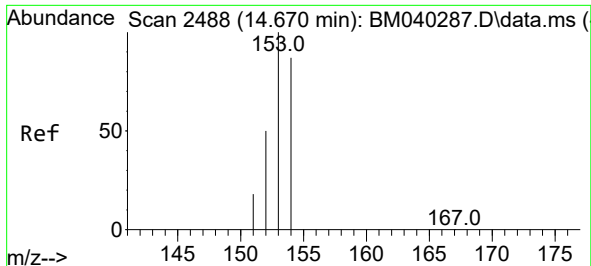
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#10
Acenaphthylene
Concen: 0.479 ng/ul
RT: 14.327 min Scan# 2414
Delta R.T. -0.005 min
Lab File: BM040290.D
Acq: 16 Jun 2023 20:51

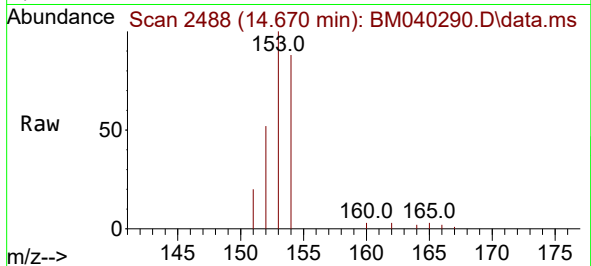
Tgt Ion:152 Resp: 27227
Ion Ratio Lower Upper
152 100
151 20.8 16.3 24.5
153 14.1 10.7 16.1





#11
Acenaphthene
Concen: 0.203 ng/ul
RT: 14.670 min Scan# 2488
Delta R.T. -0.005 min
Lab File: BM040290.D
Acq: 16 Jun 2023 20:51

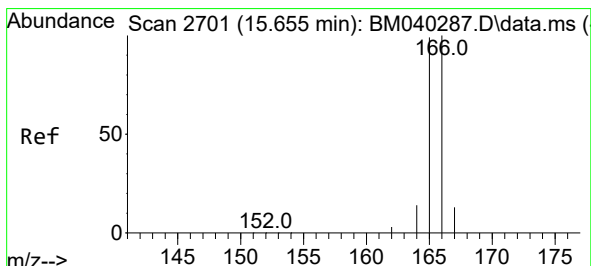
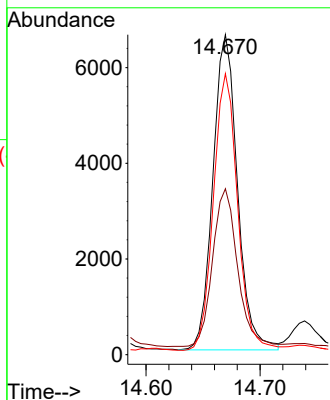
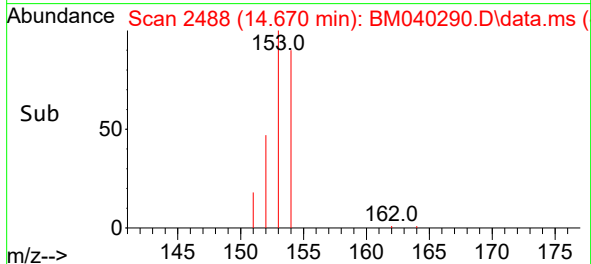
Instrument :
BNA_M
ClientSampleId :
DCFH2DL



Tgt Ion:153 Resp: 986
Ion Ratio Lower Upper
153 100
152 51.9 40.3 60.5
154 87.8 70.5 105.7

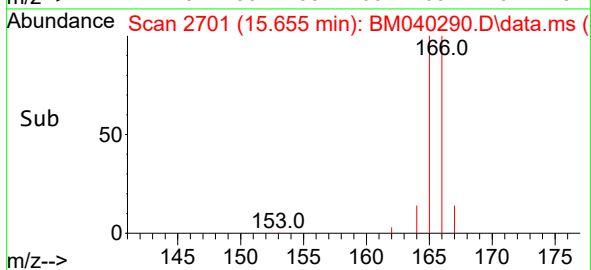
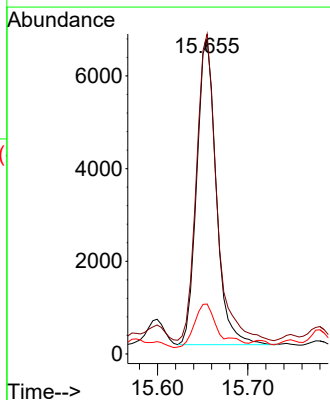
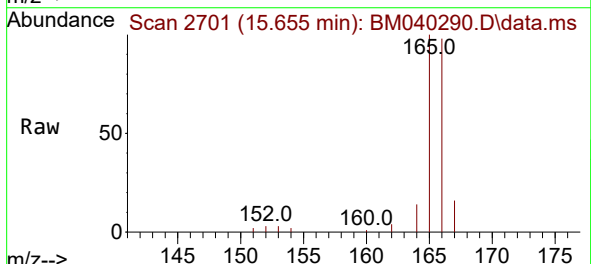
Manual Integrations
APPROVED

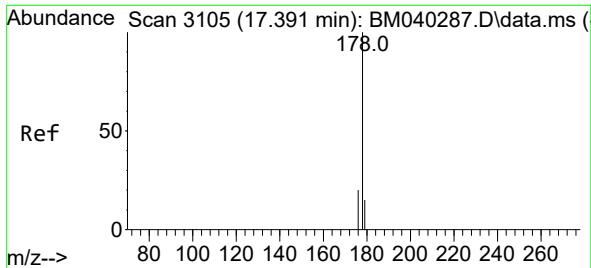
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#12
Fluorene
Concen: 0.183 ng/ul
RT: 15.655 min Scan# 2701
Delta R.T. -0.005 min
Lab File: BM040290.D
Acq: 16 Jun 2023 20:51

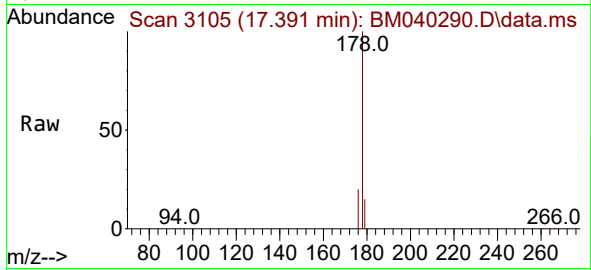
Tgt Ion:166 Resp: 9917
Ion Ratio Lower Upper
166 100
165 101.9 78.2 117.4
167 15.9 11.0 16.4





#15
Phenanthrene
Concen: 2.702 ng/ul
RT: 17.391 min Scan# 3105
Delta R.T. -0.004 min
Lab File: BM040290.D
Acq: 16 Jun 2023 20:51

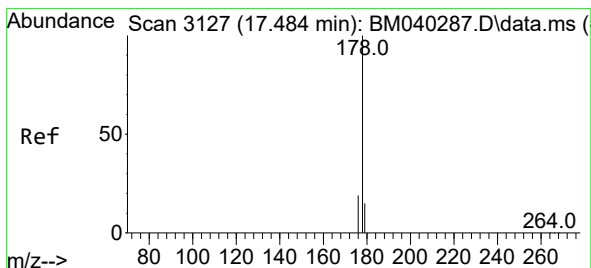
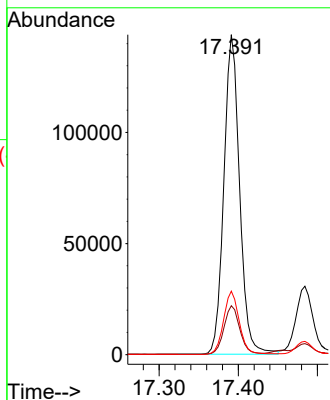
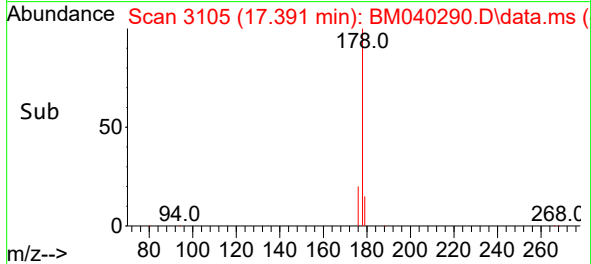
Instrument :
BNA_M
ClientSampleId :
DCFH2DL



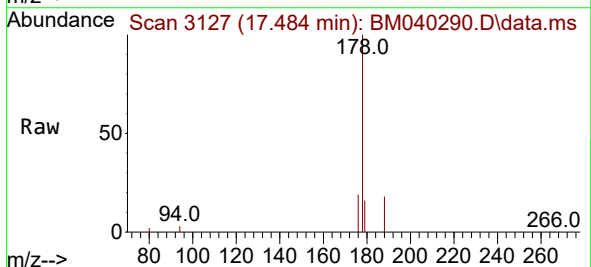
Tgt Ion:178 Resp: 19937
Ion Ratio Lower Upper
178 100
179 15.3 12.6 19.0
176 19.8 16.1 24.1

Manual Integrations
APPROVED

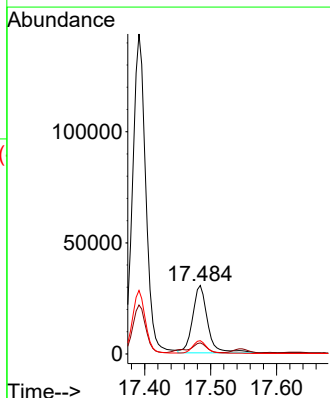
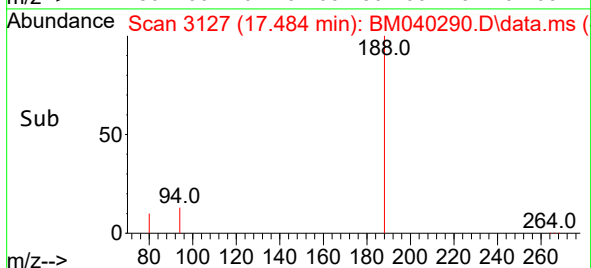
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

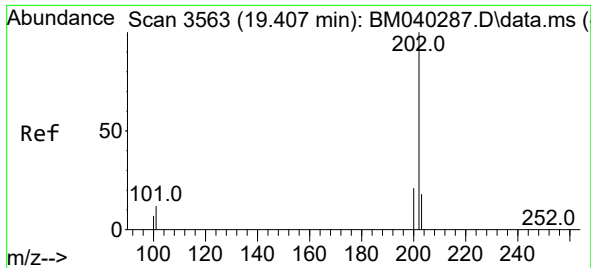


#16
Anthracene
Concen: 0.768 ng/ul
RT: 17.484 min Scan# 3127
Delta R.T. -0.004 min
Lab File: BM040290.D
Acq: 16 Jun 2023 20:51



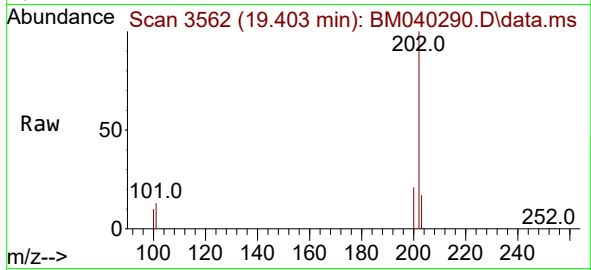
Tgt Ion:178 Resp: 48043
Ion Ratio Lower Upper
178 100
179 16.0 13.0 19.4
176 19.5 15.5 23.3





#19
Fluoranthene
Concen: 6.262 ng/u1
RT: 19.403 min Scan# 3562
Delta R.T. -0.005 min
Lab File: BM040290.D
Acq: 16 Jun 2023 20:51

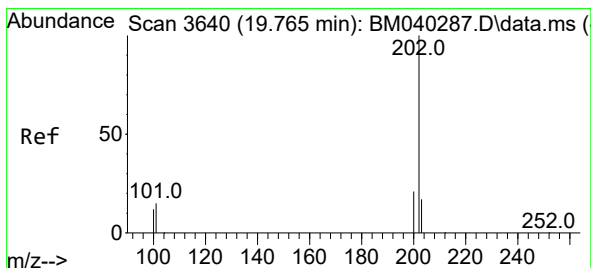
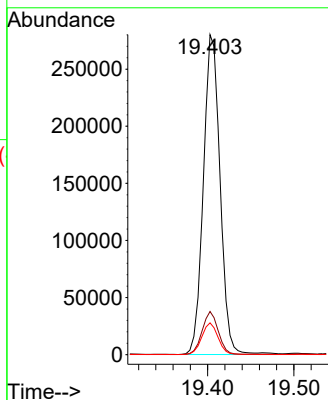
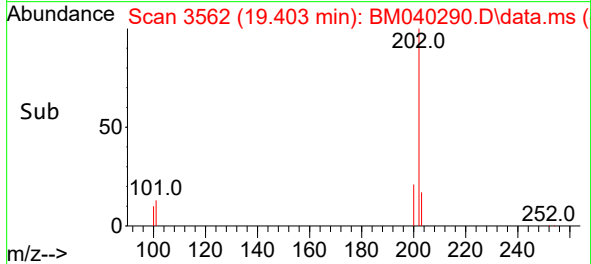
Instrument :
BNA_M
ClientSampleId :
DCFH2DL



Tgt Ion:202 Resp: 376940
Ion Ratio Lower Upper
202 100
101 13.5 10.2 15.4
100 9.9 7.6 11.4

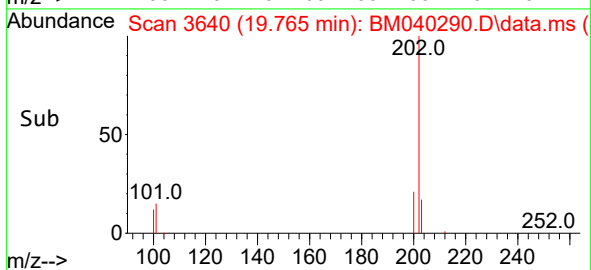
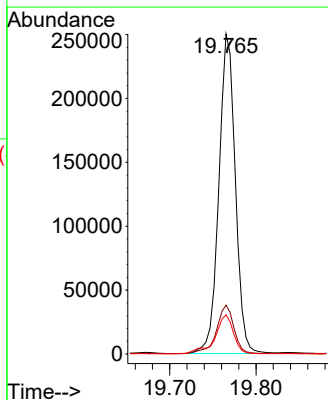
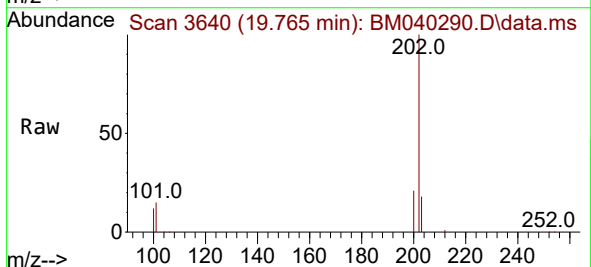
Manual Integrations
APPROVED

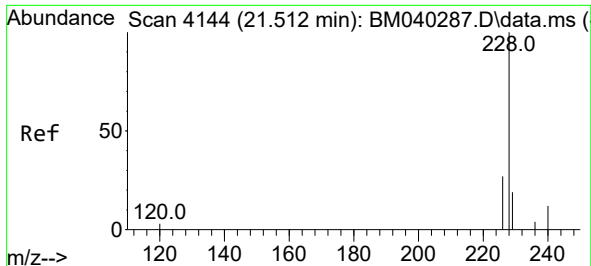
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#20
Pyrene
Concen: 5.331 ng/u1
RT: 19.765 min Scan# 3640
Delta R.T. -0.005 min
Lab File: BM040290.D
Acq: 16 Jun 2023 20:51

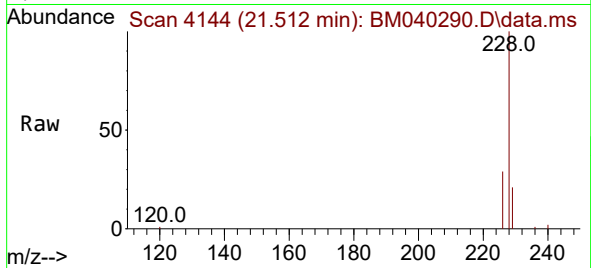
Tgt Ion:202 Resp: 333386
Ion Ratio Lower Upper
202 100
101 15.3 11.8 17.8
100 12.2 9.3 13.9





#21
Benzo(a)anthracene
Concen: 2.818 ng/ul
RT: 21.512 min Scan# 4144
Delta R.T. -0.003 min
Lab File: BM040290.D
Acq: 16 Jun 2023 20:51

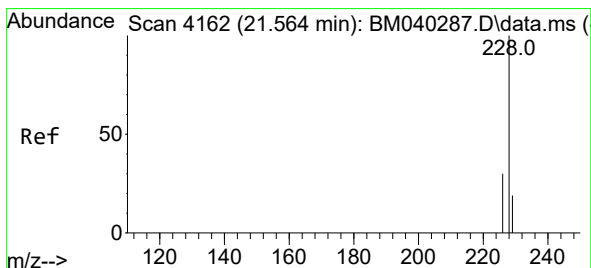
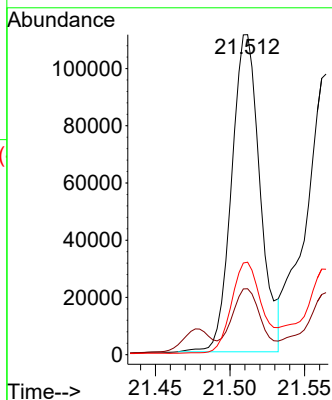
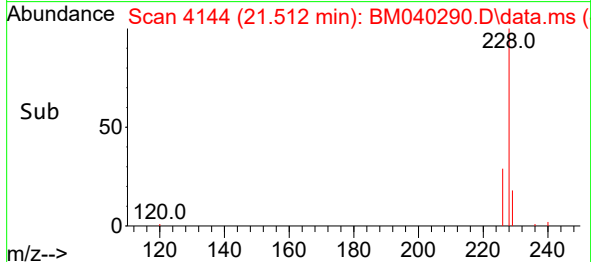
Instrument :
BNA_M
ClientSampleId :
DCFH2DL



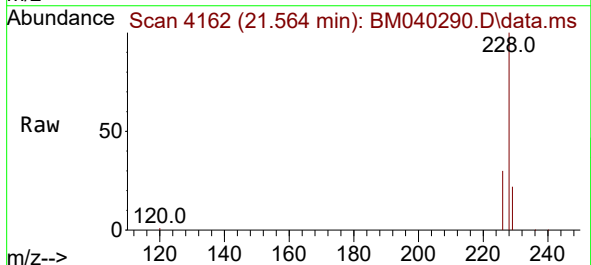
Tgt Ion:228 Resp: 146978
Ion Ratio Lower Upper
228 100
229 20.6 15.8 23.8
226 28.9 22.0 33.0

Manual Integrations
APPROVED

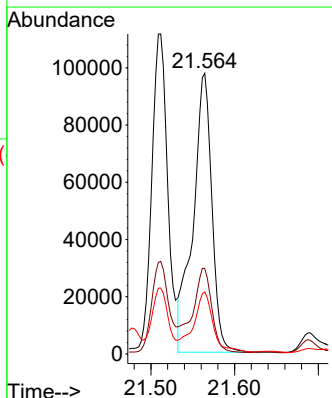
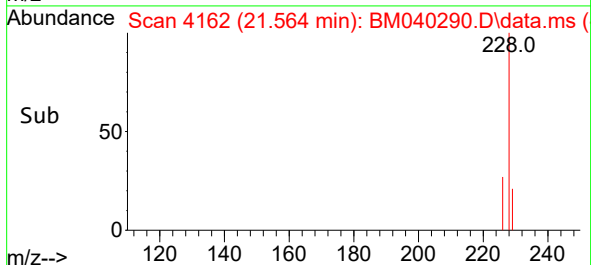
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

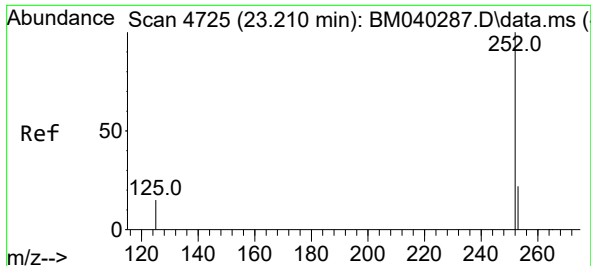


#22
Chrysene
Concen: 2.773 ng/ul
RT: 21.564 min Scan# 4162
Delta R.T. -0.006 min
Lab File: BM040290.D
Acq: 16 Jun 2023 20:51



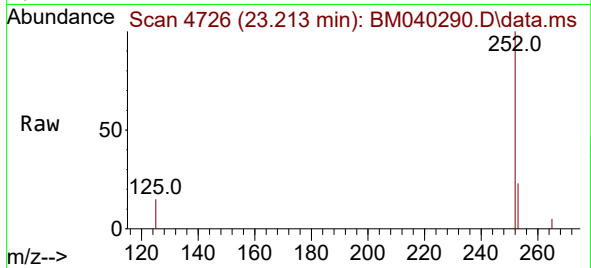
Tgt Ion:228 Resp: 152798
Ion Ratio Lower Upper
228 100
226 30.4 24.3 36.5
229 22.1 15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 3.487 ng/ul
RT: 23.213 min Scan# 4726
Delta R.T. -0.003 min
Lab File: BM040290.D
Acq: 16 Jun 2023 20:51

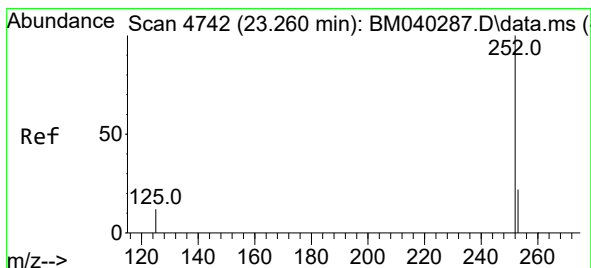
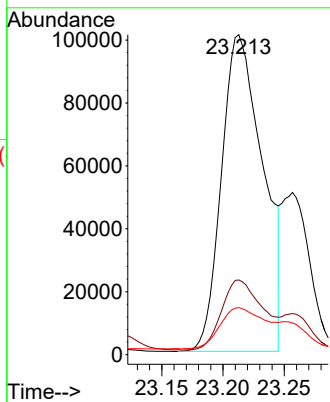
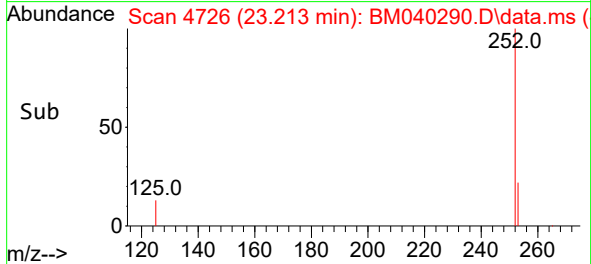
Instrument :
BNA_M
ClientSampleId :
DCFH2DL



Tgt Ion:252 Resp: 235829
Ion Ratio Lower Upper
252 100
253 23.4 0.0 52.4
125 14.7 0.0 38.4

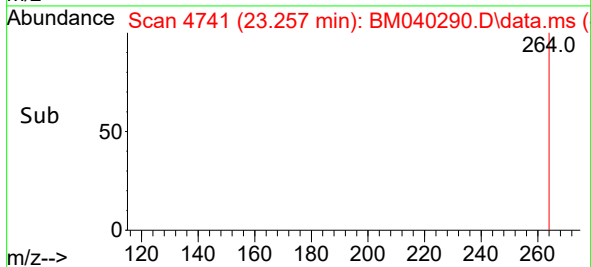
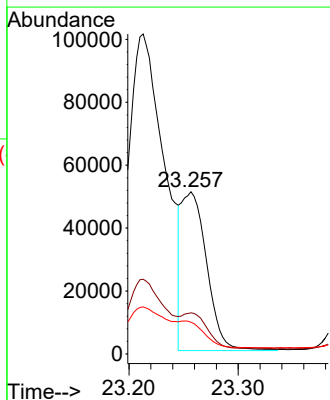
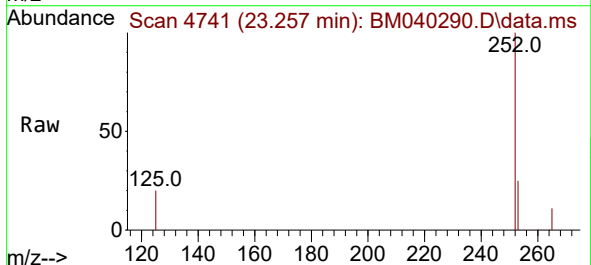
Manual Integrations
APPROVED

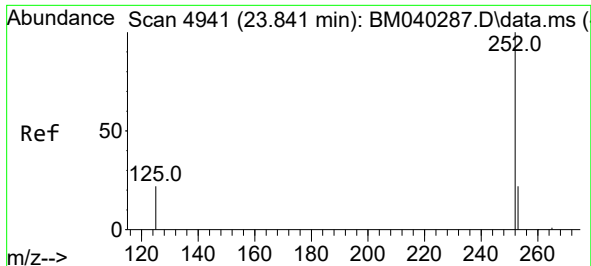
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#25
Benzo(k)fluoranthene
Concen: 1.277 ng/ul m
RT: 23.257 min Scan# 4741
Delta R.T. -0.009 min
Lab File: BM040290.D
Acq: 16 Jun 2023 20:51

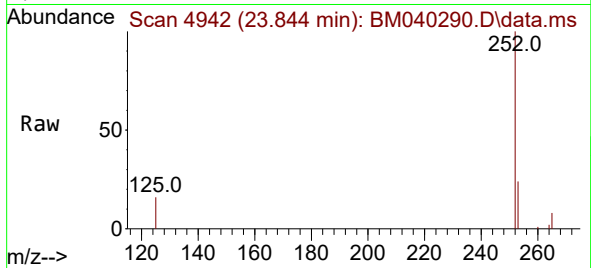
Tgt Ion:252 Resp: 81293
Ion Ratio Lower Upper
252 100
253 25.4 21.5 32.3
125 19.6 14.7 22.1





#26
Benzo(a)pyrene
Concen: 2.714 ng/ul
RT: 23.844 min Scan# 4941
Delta R.T. -0.006 min
Lab File: BM040290.D
Acq: 16 Jun 2023 20:51

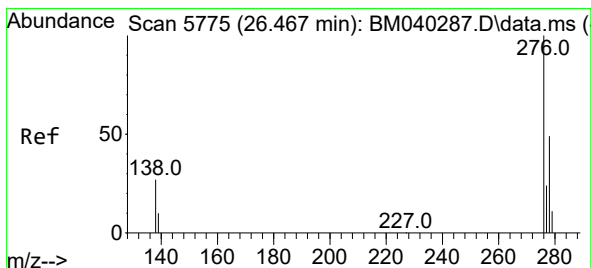
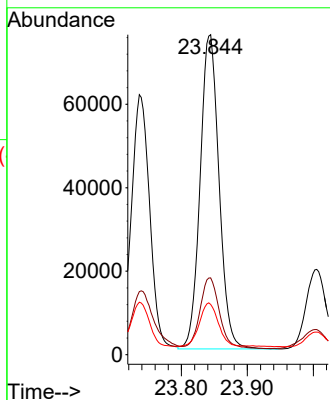
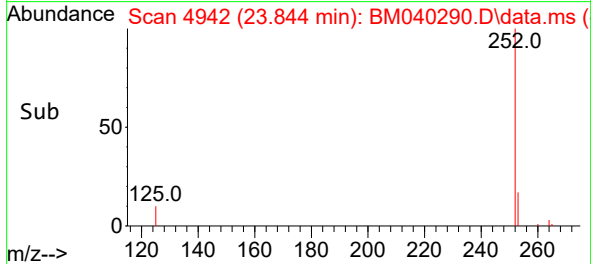
Instrument :
BNA_M
ClientSampleId :
DCFH2DL



Tgt Ion:252 Resp: 150628
Ion Ratio Lower Upper
252 100
253 24.0 23.4 35.0
125 15.7 19.7 29.5

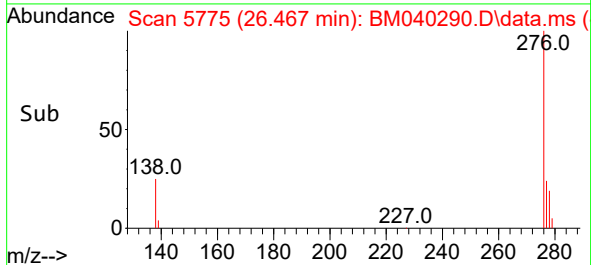
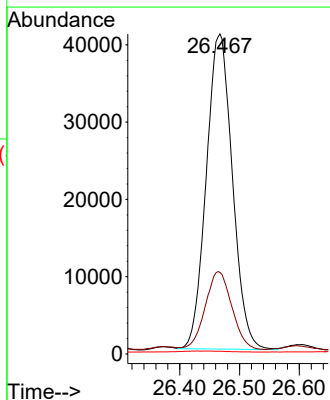
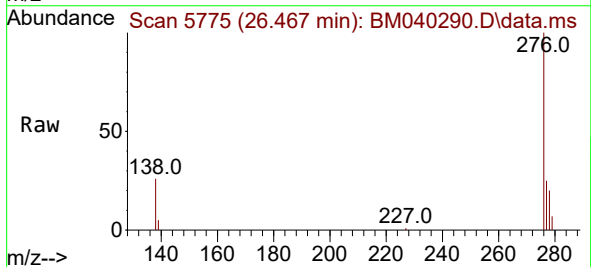
Manual Integrations
APPROVED

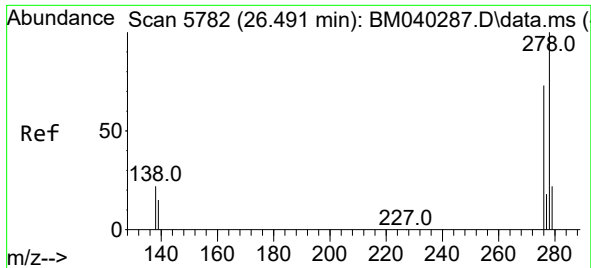
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.762 ng/ul
RT: 26.467 min Scan# 5775
Delta R.T. -0.010 min
Lab File: BM040290.D
Acq: 16 Jun 2023 20:51

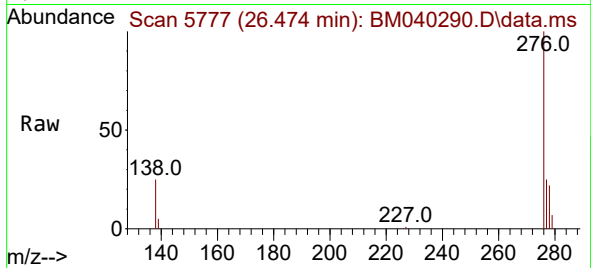
Tgt Ion:276 Resp: 123796
Ion Ratio Lower Upper
276 100
138 25.2 23.3 34.9
227 0.0 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.532 ng/ul
RT: 26.474 min Scan# 51
Delta R.T. -0.024 min
Lab File: BM040290.D
Acq: 16 Jun 2023 20:51

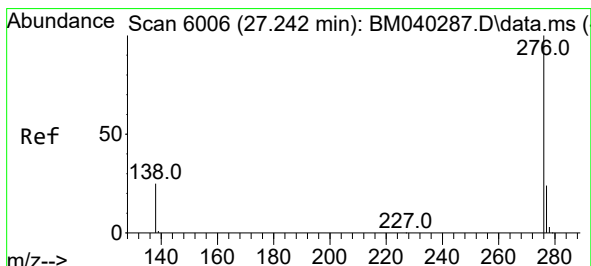
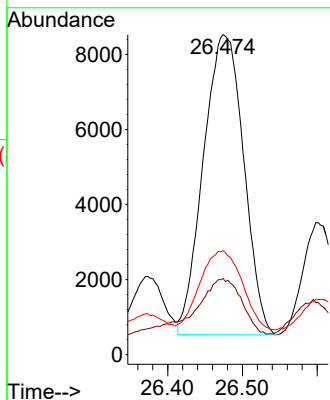
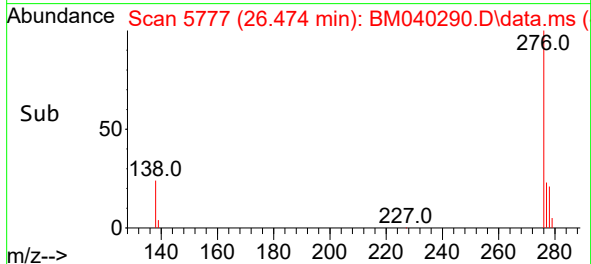
Instrument :
BNA_M
ClientSampleId :
DCFH2DL



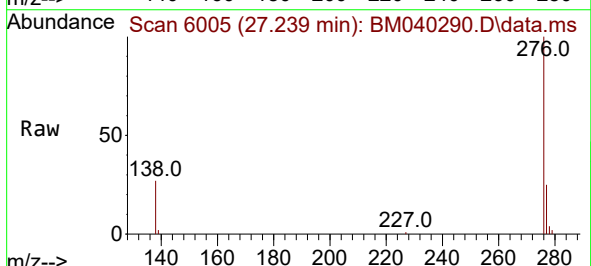
Tgt Ion:278 Resp: 29989
Ion Ratio Lower Upper
278 100
139 23.8 16.4 24.6
279 32.4 21.8 32.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#29
Benzo(g,h,i)perylene
Concen: 2.023 ng/ul
RT: 27.239 min Scan# 6005
Delta R.T. -0.017 min
Lab File: BM040290.D
Acq: 16 Jun 2023 20:51



Tgt Ion:276 Resp: 118705
Ion Ratio Lower Upper
276 100
138 26.7 21.0 31.4
277 24.5 19.6 29.4

